

West Station 115 kV Substation Terminal Upgrades

Project Sponsor:	Black Hills Colorado Electric
Additional Project Participants:	
Project Description:	Increase terminal ratings at the West Station 115 kV substation
Voltage Class:	115 kV
Facility Rating:	239 MVA
Point of Origin/Location:	Black Hills Colorado Electric West Station 115 kV substation
Point of Termination:	
Intermediate Points:	
Length of Line (in Miles):	
Type of Project:	Substation
Development Status:	Planned
Routing:	
Subregional Planning Group:	CCPG
Purpose of Project:	Improved reliability and transfer capability in the West Station area.
Estimated Cost (in 2017 Dollars):	\$6.5 Million
Schedule:	
Construction Date:	2018
Planned Completion/In-Service Date:	Q4 2019
Regulatory Info:	Approved - Colorado PUC: Decision No. C16-0627
Regulatory Date:	July 6, 2016
Permitting Info:	
Permitting Date:	
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The need to upgrade the terminal ratings at West Station 115 kV have been identified in previous BHCE TCPC and SB-100 studies. The post-contingency loading on the West Station - Desert Cove 115 kV and Hyde Park – West Station 115 kV lines exceed the West Station terminal equipment facility ratings. New substation bays will be added to the newer part of the West Station substation and the lines connected to the old part of the substation will be terminated into the new line positions. The purpose of the project is to increase reliability as well as transfer capability on the lines terminating at West Station. The construction will begin in 2018 with the termination of a portion of the lines into the newer section of the substation, with all lines to be moved to the new part of the substation by Q4 2019. The total cost of the West Station 115 kV substation upgrades is \$6.5M. In the 2016 Decision C16-0627 the Colorado Public Utilities Commission found that the project was in the ordinary course of business and that a CPCN was not necessary.